

ABSTRACT

The present invention concerns a method for producing a foamed product based on aromatic polyester resin, wherein at least one of IPA, DEG, TEG and PEG is selected and copolymerized at the step of aromatic polyester polymerization to produce aromatic polyester resin with a low melting point whose melting point ranges 80 to 180°. The resin is then cross-linked by means of an organic peroxide cross-link agent, subject to melt mixing at a temperature ranging 80 to 180 ° and then foamed in order to produce a foamed product based on aromatic polyester resin of a low melting point, excellent in thermal resistance, foaming magnification, strength, etc. The aromatic polyester resin represented by polyethyleneterephthalate is known excellent in chemical properties such as chemical resistance, solvent resistance, weather resistance, etc., and physical properties such as thermal resistance, dimension stability, rigidity, gas barrier capability, etc., and thus widely used for packaging electric/electronic parts, films, bottle containers and the like.

FIG. 1